

NOV FGS Trusts Corrosion-Resistant Advantex® E-CR Glass for Composite Pipe

When selecting fiberglass reinforcements for its corrosive applications, NOV Fiber Glass Systems President Hossein Arian says he trusts two things – his company’s experience and its test data.

One result: “We use only premium-quality chemical-resistant Advantex® E-CR (boron-free) glass fibers from OCV™ Reinforcements,” says Arian.

Composite Tank Processes

- Filament winding
- Centrifugal casting

Matrix & Reinforcements

- Epoxy and vinyl ester resins
- Single-end roving
- Woven roving and other fiberglass fabrics

Principal Markets

- Oilfield
- Chemical and industrial
- Marine and offshore
- Petroleum marketing



“Other manufacturers of epoxy fiberglass pipe and fittings will use electrical-grade fiberglass (E-glass) reinforcement material,” he continues. “In reviewing Owens Corning data comparing the performance of Advantex® E-CR glass with typical electrical-grade glass, it is apparent that Advantex® glass performs better than E-glass in most hostile chemical environments.

“We have also tested laminate samples made with Advantex® glass in a variety of acids and solvents and found that the Advantex® glass samples performed very well,” he adds.

“We also have an excellent history with Advantex® glass,” continues Arian. “We have used it successfully in many critical situations. It appears to be a superior product.”

CASE STUDY



“When we analyze the chemical resistance requirements of our customers’ applications, we often find that a corrosion-resistant liner is not necessary for pipe made with the Advantex® product. In such cases we strongly encourage potential customers to consider using our unlined product. In fact, we warranty the unlined product exactly the same as the lined products we offer,” adds Arian. “The use of Advantex E-CR glass helps us to differentiate our products. We expect to outperform the economic recovery by continuing to promote our experience, technology and use of quality materials.”

Contacts

NOV Fiber Glass Systems

2425 SW 36th Street
San Antonio, TX 78237
USA
210-434-5043
E-mail: info@starfiberglass.com
www.fgspipe.com

Owens Corning Advantex® glass: www.owenscorning.com/composites/aboutAdvantex.asp

Advantex.americas@owenscorning.com

Advantex.europe@owenscorning.com

Advantex.asiap@owenscorning.com



OCV Reinforcements

OWENS CORNING
COMPOSITE MATERIALS, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OHIO 43659
1.800.GET.PINK™
www.owenscorning.com
www.ocvreinforcements.com



OCV Technical Fabrics

EUROPEAN OWENS CORNING
FIBERGLAS, SPRL.
166, CHAUSSÉE DE LA HULPE
B-1170 BRUSSELS
BELGIUM
+32.2.674.82.11



OCV Non-Woven Technologies

OWENS CORNING – OCV ASIA PACIFIC
SHANGHAI REGIONAL HEADQUARTERS
OLIVE L.V.O. MANSION, 2ND FLOOR
620 HUASHAN ROAD
SHANGHAI 200040
CHINA
+86.21.62489922

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